

This application should be accompanied by Air Pollution Control Operation Permit Application Forms 4530-100, 4530-101, 4530-102, and 4530-103.

NOTE: Use of this form is required by the Department for an air pollution control permit application filed pursuant to ss. 144.391(3m) and 144.3925, Wis. Stats., and NR 407.10(3), Wis. Adm. Code for an ethylene oxide sterilizer system. Ethylene oxide sterilization systems which do not meet the criteria for filing a General Permit Application or which would prefer to file an individual operation permit application should proceed to complete Air Pollution Control Permit Application form 4530-109. The Department will not consider or act upon your general permit application unless you complete and submit this application form. It is not the Department's intention to use any personally identifiable information from this form for any other purpose.

1) Facility Name:	2) Facility Identification No.:
3) Stack No.:	4) Unit No.:

Please indicate the following:

- 5) There are separate units used to complete the sterilization process. ☐ Yes ☐ No
For example, aeration is performed outside sterilizer chamber in a separate aeration device.
- 6) The Ethylene oxide (EtO) system releases EtO to the wastewater stream. ☐ Yes ☐ No
- 7) EtO emissions without considering emission control equipment are less than 25 pounds per year. ☐ Yes ☐ No
- 8) EtO emissions from the sterilizer chamber are controlled by less than 99.9%. ☐ Yes ☐ No
- 9) Some method other than catalytic oxidation is used as a means of EtO control. ☐ Yes ☐ No
- 10) Provide the type of EtO sterilizer which is to be operated under this General Operation Permit (i.e., 100% EtO, 88% Carrier Gas - 12% EtO, 90% Carrier Gas - 10% EtO, etc.) _____

If **yes** was answered for any of the above items 5 through 9, this EtO sterilization process is not eligible for a general permit. Proceed to fill out Air Pollution Control Operation Permit form 4530-109.

Please complete Form 4530-134, Index of Air Pollution Application Forms.

Instructions for Form 4530-138
General Operation Permit Application for Ethylene Oxide Sterilization Systems

This application should be accompanied by Air Pollution Control Operation Permit Application Forms: 4530-100 Facility Identification, 4530-101 Facility Plot Plan, 4530-102 Source and Site Descriptions, 4530-103 Stack Identification

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| Item 1 | Self-explanatory. |
| Item 2 | Facility identification number (FID) from the Air Emission Inventory (AEI). |
| Item 3 | Provide the identification number of the stack which is directly associated with this ethylene oxide sterilization system. This number should also appear on the associated Form 4530-103. |
| Item 4 | Assign an identification number to this ethylene oxide sterilization system (e.g. P01, P02, etc.). This number should also appear on the associated stack form 4530-103. |
| Item 5 | If there are other units which may exhaust ethylene oxide gas to the atmosphere (such as exhaust hoods, aeration cabinets, etc.). other than the sterilization unit, then mark <u>yes</u> . A good rule of thumb is, if the entire sterilization process can be completed within one unit, then there are no other emission sources for ethylene oxide associated with this process. |
| Item 6 | If this sterilization process releases any liquids which contain ethylene oxide to the wastewater stream, mark <u>yes</u> . |
| Item 7 | If total annual usage of ethylene oxide from the <u>entire</u> facility does not exceed 25 pounds, mark <u>yes</u> . |
| Item 8 | If the ethylene oxide emission control equipment is not capable of eliminating 99.9% of ethylene oxide emissions at all times, mark <u>yes</u> . Provide documentation such as manufacturer guarantee or stack test results proving control efficiency if <u>no</u> is marked. |
| Item 9 | Self-explanatory. Provide manufacturer documentation which describes the emission control device and details the efficiency of the emission control device if <u>no</u> is marked. |
| Item 10 | Self-explanatory. |